

Claims

1. A crown cap for corking bottles which is made as a cap with a crowned skirt, the crown cap is provided with a plate which carries out function of a bending tag and lays on an outer surface of a back of the crown cap, doesn't exceeding overall dimensions of the crown cap back, and which is fixed to the crown cap back by means of a rivet and has an opening therein, and besides a line of weakness is made on the crown cap which begins from periphery edge of the crowned skirt and comes to the periphery edge with forming tearing strip having a hole for the rivet therein, which differs in that a length of an arc of the tearing strip from the beginning of the line of weakness up to its extremity does not exceed $\pi/2$ radian, and at least a part of edge of the plate and/or the opening is spinned in, and besides the plate lays on the outer surface of the crown cap back by its side which the edge bent by spinning in is located on.

2. The crown cap of claim 1, which differ in that the plate has a dint for a head of the rivet.

3. The crown cap of claim 1, which differ in that an elastic round laying corresponding to diameter of a corking bottle neck is inserted inside the crown cap.

4. A crown cap for corking bottles which is made as a cap with a crowned skirt, the crown cap is provided with a plate which carries out function of a bending tag and lays on an outer surface of a back of the crown cap, doesn't exceeding overall dimensions of the crown cap back, and which is fixed to the crown cap back by means of a rivet and has an opening therein, and besides a line of weakness is made on the crown cap which begins from periphery edge of the crowned skirt and comes to the periphery edge with forming tearing strip having a hole for the rivet therein, which differs in that a length of an arc of the tearing strip from the beginning of the line of weakness up to its extremity does not exceed $\pi/2$ radian, and it is at least one tongue made on an outer surface of the crown cap back and inserted into the opening in the plate to come into contact with an edge of the opening.

5. The crown cap of claim 4, which differ in that the tongue has a spherical form.

6. The crown cap of claim 4, which differ in that the height of the tongue does not exceed thickness of the plate.

7. The crown cap of claim 4, which differ in that an elastic round laying corresponding to diameter of a corking bottle neck is inserted inside the crown cap.

8. A crown cap for corking bottles which is made as a cap with a crowned skirt, the crown cap is provided with a round plate, which carries out function of a bending tag, having the

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external diameter which does not exceed diameter of a back of the crown cap, and lays on an outer surface of the crown cap back, doesn't exceeding overall dimensions of the crown cap back, and which is fixed to the back by means of a rivet and has an opening executed so to make a ring-shaped tab when the edge of the round plate is bending up, and besides a line of weakness is made on the crown cap and begins from periphery edge of the crowned skirt and comes to the periphery edge with forming tearing strip having a hole for the rivet therein, which differs in that a length of an arc of the tearing strip from the beginning of the line of weakness up to its extremity does not exceed $\pi/2$ radian, and the opening has a ring nonclosed shape and is symmetric in relation to a diametrical axis of the round plate, and besides the hole for the rivet is located on said diametrical axis so, that it is in a segment of the round plate in which there is no the ring-shaped opening.

9. The crown cap of claim 8 which differ in that a length of an arc of the ring-shaped opening is $\pi \dots 11\pi/6$ radian.

10. The crown cap of claim 8 which differ in that the centre of the ring-shaped opening coincides with the centre of the round plate.

11. The crown cap of claim 8 which differ in that the ring-shaped opening has the sizes relatively of external diameter of the round plate as follows: external diameter - 0,5...0,9, internal diameter - 0,4...0,85.

12. The crown cap of claim 8, which differ in that an elastic round laying corresponding to diameter of a corking bottle neck is inserted inside the crown cap.

13. The crown cap of claim 8, which differ in that it is at least one spherical tongue made on an outer surface of the crown cap back and inserted into the opening.

14. The crown cap of claim 8, which differ in that there are gettings made in the ends of the ring-shaped opening on the side of its internal diameter.

15. The crown cap of claim 14, which differ in that the ends of the ring-shaped opening are rounded, and diameter of these rounds is more than width of the ring-shaped opening.

16. The crown cap of claim 15, which differ in that external diameter of the ring-shaped opening conjugates with rounds smoothly.

17. A crown cap for corking bottles which is made as a cap with a crowned skirt and provided with a round-shaped tag formed on a back of the crown cap entirely with it and having a round-shaped opening for finger therein, and it is possible to separate the tag from the crown cap back along a nonclosed external generatrix whose ends are connected smoothly with non-

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intersecting lines of weakness which are ended on a periphery edge of the crowned skirt with forming a tearing strip having a width no more than greatest traversal size of the tag, and an elastic round laying corresponding to diameter of a corking bottle neck is inserted inside the crown cap, which differ in that a rigid round laying corresponding to diameter of the corking bottle neck is in addition inserted inside the crown cap before the elastic laying, and besides each of said layings has a plate-shaped form and is made with a recess opposite the opening, and the tag is separated from the crown cap back by means of a slit located along the nonclosed external generatrix.

18. The crown cap of claim 17, which differ in that at least a part of edge of the opening is spinned in to inside of the crown cap.

19. The crown cap of claim 17, which differ in that it is a stiffening rib made on the tag and located between edge of the opening and the nonclosed external generatrix, and convexity of the stiffening rib is directed downwards or upwards.

20. The crown cap of claim 17, which differ in that the tag with the opening as well as the tearing strip is symmetric in relation to a diametrical axis of the crown cap back.

21. The crown cap of claim 17, which differ in that the opening is made in the form of an oval so, that the greatest size of the oval is on a line which is perpendicular to axes of a symmetry of the tag, and the nonclosed external generatrix is equidistant to the oval generatrix so, that distance between its extremities is less than the greatest size of the oval.

22. The crown cap of claim 21, which differ in that the rigid round laying has an open excision formed as a truncated sector, and besides lateral sides of the sector are approximately coincided with the lines of weakness of the crown cap.

23. A crown cap for corking bottles which is made from a sheet material as a cap with a crowned skirt entirely with a tag-strip, one end of the tag-strip is provided with a tag having an opening for finger and other end of the tag-strip is conjugated with periphery edge of the crowned skirt, and the tag-strip is bent so, that one part of the tag-strip lays on an outer surface of the crowned skirt and other part of the tag-strip lays on an outer surface of the crown cap back, and besides two lines of weakness are made on the crown cap which begin from places of the conjunction of the tag-strip with the periphery edge of the crowned skirt, with forming a tearing strip, which differ in that it is a plate-shaped recess made on the crown cap back, the center of the plate-shaped recess coincides with the centre of a circle of the crown cap back, diameter of the plate-shaped recess is no more than internal diameter of a neck of a corked bottle

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and not less than diameter of circumscribing circle of the external generatrix of the tag, and the tag lays on the outer surface of the crown cap back in the place of the plate-shaped recess and does not extend over the external sizes of the plate-shaped recess.

24. The crown cap of claim 23, which differ in that a round- or ring-shaped elastic laying corresponding to diameter of a corking bottle neck is inserted inside the crown cap.

25. The crown cap of claim 23, which differ in that the tag with the opening as well as the tearing strip is symmetric in relation to a diametrical axis of the crown cap back.

26. The crown cap of claim 23, which differ in that the tag has round-shaped form.

27. The crown cap of claim 23, which differ in that the plate-shaped recess is made round on a plan view.

28. The crown cap of claim 23, which differ in that depth of the plate-shaped recess is approximately equal to thickness of the sheet material.

29. The crown cap of claim 23, which differ in that the lines of weakness form the tearing strip which is symmetric in relation to a diametrical axis of the crown cap back.

30. The crown cap of claim 23, which differ in that stress concentrators are made in the places of the conjunction of the tag-strip with the periphery edge of the crowned skirt.

31. The crown cap of claim 23, which differ in that the part of the tag-strip laying on the outer surface of the crowned skirt is is equidistant to this outer surface.

32. The crown cap of claim 23, which differ in that it is a stiffening rib made on the tag and located between the external generatrix of the tag and edge of the opening for the finger.

33. The crown cap of claim 23, which differ in that at least a part of edge of the opening for the finger or a generatrix of this opening is spinned in.

34. The crown cap of claim 33, which differ in that the edge bent by spinning in is located on an outer surface of the plate-shaped recess.